

CE Energy, Water Managers Earn Federal Awards

The Air Force earned six 2002 Federal Energy and Water Management Awards for efforts toward saving energy, money and the environment. The U.S. Department of Energy's Federal Energy Management Program sponsors the annual awards, which recognize outstanding contributions toward energy efficiency, renewable energy and water conservation within the federal sector.

task force to complete a \$3 million Energy Savings Performance Contract (ESPC) that included \$375,000 in water conservation projects.

Alternative Financing

Alternative Financing Awards to Organizations went to both the 42nd CES, Maxwell/Gunter AFB, AL, and the 7th CES, Dyess AFB, TX.

The 42nd CES energy team used ESPC as a financing mechanism to execute seven energy conservation projects totaling \$12.7 million in capital improvements that will result in first-year energy savings of about \$1.44 million.

The 7th CES Operations Flight implemented a \$5.4 million ESPC, reducing energy use by 8.7 percent and saving \$682,383 per year.



The 7th CES used an Energy Savings Performance Contract to reduce energy use and earned an Alternative Financing Award.

Water Management

A Water Management Award to Small Groups went to 1Lt Tammy Gray, Keith Currie, Robin Mansfield, Ted Haviland and Michael Noret, 17th Civil Engineer Squadron, Goodfellow Air Force Base, TX.

Since October 1997, Goodfellow has decreased water consumption by 32 percent, saving the base more than \$176,000. The team partnered with the city's water conservation

The 434th Air Refueling Wing achieved a 56 percent reduction in energy use from fiscal year 2000 to 2001, and an overall reduction of 64 percent since fiscal year 1985. The savings resulted from an ESPC project involving installation of energy-efficient lighting and heating equipment.

Energy Efficiency/Energy Management

David A. McPhee, Mari French, Jerry Kerns, Norman Tancrator and Chung Kim, 452nd Support Group, March AFB, CA, received an Energy Efficiency/Energy Management Award to Small Groups.

Among the team's accomplishments — a \$1.2 million demand side management (DSM) contract was implemented, reducing energy use by 9.5 percent and saving \$240,000 per year. A gas leak survey and repair of major leaks produced a 13.7 percent, or 5,855 million Btu per year, decrease in consumption, saving \$62,000 per year and eliminating potentially serious environmental and safety hazards.



Water conservation projects earned a Water Management Award for Goodfellow AFB.

Innovative/New Technology Award to Individuals

An Innovative/New Technology Award to Individuals went to William B. Turner, 92nd CES, Fairchild AFB, WA.

As Fairchild's base energy manager, Mr. Turner oversaw design and construction of a \$2.1 million DSM energy saving project that involved installing light pipe technology and infrared radiant heating in an 11-acre building, saving almost 2.5 million kW hours of electricity and more than 26 billion Btu of natural gas annually, in addition to improving lighting levels. He also brought a \$15.2 million ESPC to the start of phase 3. The project replaces the central steam plant with distributed heating systems for 79 buildings, saving 236 billion Btu annually.

For more information on the FEMP awards program, contact Quinn Hart, Air Force Facility Energy Program Manager, HQ Air Force Civil Engineer Support Agency, DSN 523-6361 or commercial (850) 283-6361. *(Bill Autin, HQ Air Force Civil Engineer Support Agency, Tyndall AFB, FL)*